

PATENT ABSTRACTS OF JAPAN

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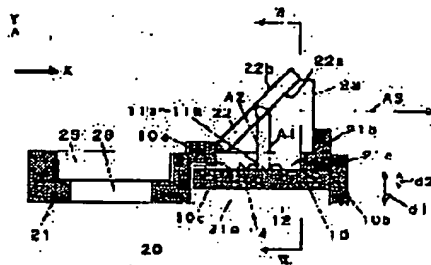
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(54) LIGHT SOURCE DEVICE AND PICTURE READING DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To suppress the increase of temperature due to heating, and to reduce costs by arranging an electric connection pattern constituted of a foil-shaped metallic conductor on one face of a substrate, connecting a light emitting means constituted of at least one semiconductor chip with an electric connection pattern, and supporting at least one part of the other face of the substrate by exposing it to outside air.

SOLUTION: A light source unit 20 is provided with a base block 21, light source module 10, mirror 22, and diffusion board 23. The base block 21 is constituted of plastic, and a recessed part 21a for providing a space in which the light source module 10 is arranged is formed on the back face. Also, the light source 20 is provided with an opening 21b communicated with the recessed part 21b on the front side face of the base block 21 for allowing a light outgoing from the light source module 10 to pass. A supporting face 21c of the base block 21 faced to a light emitting face 10a of the light source module 10 is adhered to a peripheral part 10b of the light emitting face 10c with adhesive. Also, shallow grooves are formed like a band on the supporting face 12c for maintaining adhesive.



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